

**Association of University Architects
56th Annual Conference
University of Wisconsin - Madison
Wednesday, June 22, 2011**



MAKING CONNECTIONS



MAKING CONNECTIONS
UNIVERSITY OF WISCONSIN - MADISON



MAKING CONNECTIONS



= incredible leadership opportunity

MAKING CONNECTIONS

40% GHG

= incredible leadership opportunity

MAKING CONNECTIONS

40% GHG + campus stewards

= incredible leadership opportunity

MAKING CONNECTIONS



40% GHG + campus stewards + centers of innovation

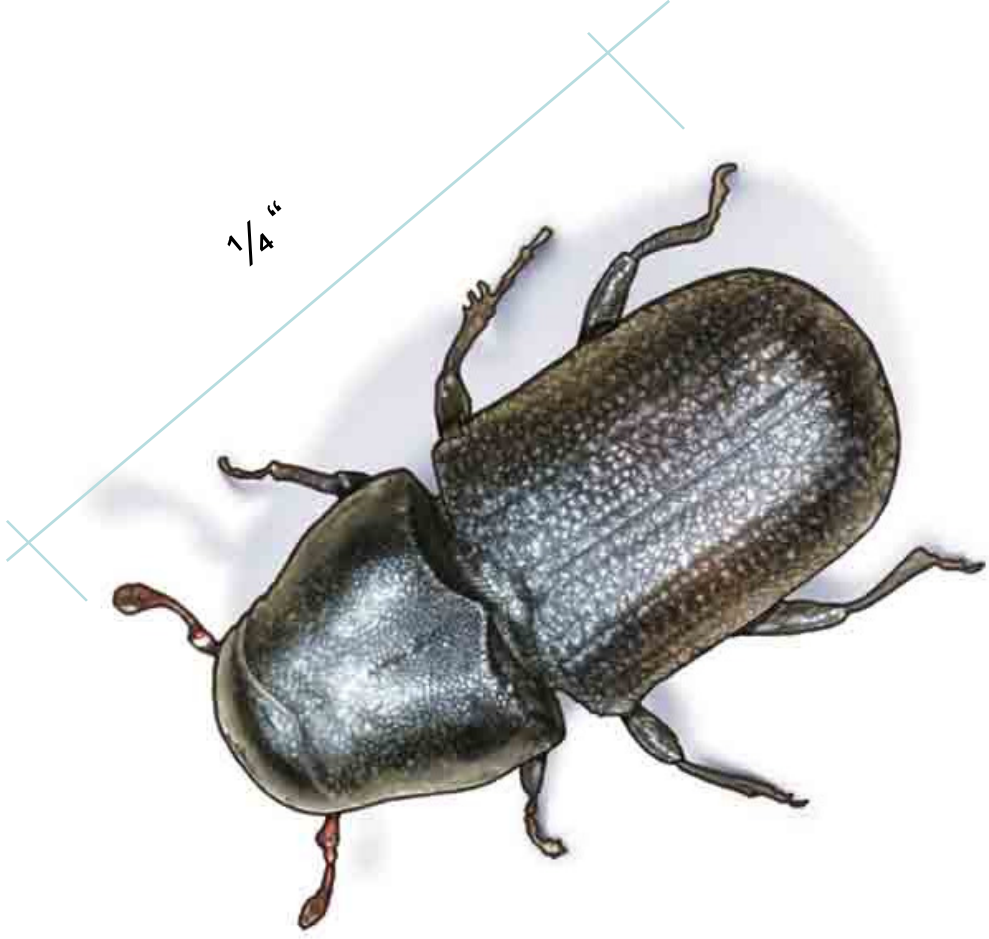
= incredible leadership opportunity

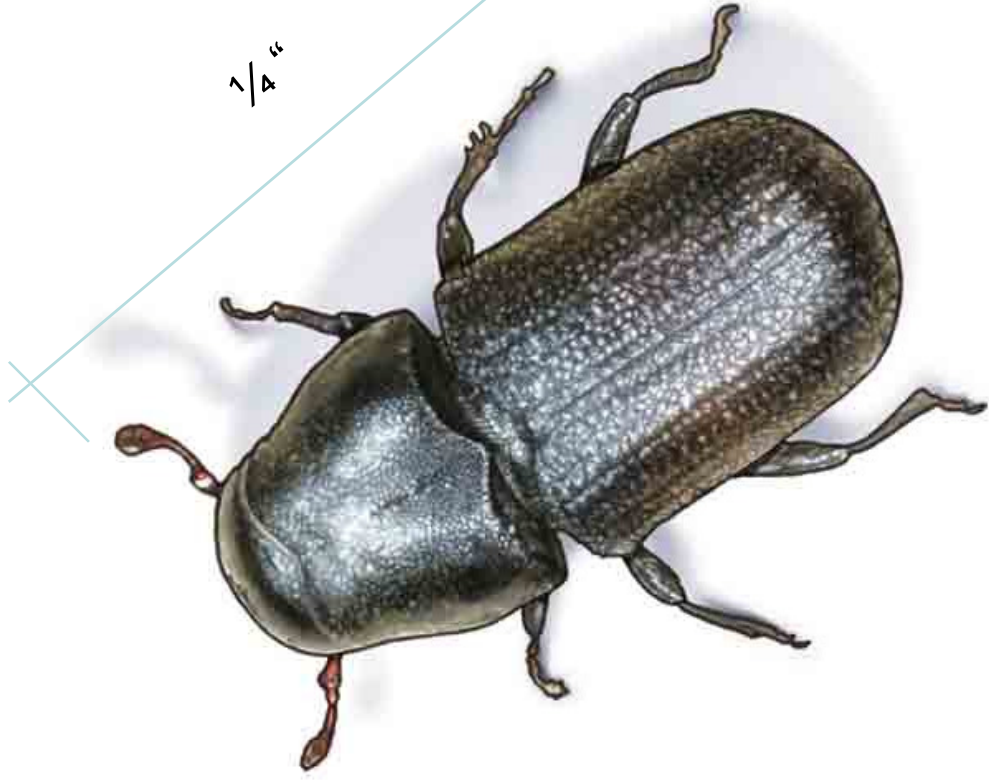
MAKING CONNECTIONS



40% GHG + campus stewards + centers of innovation + no property lines

= incredible leadership opportunity

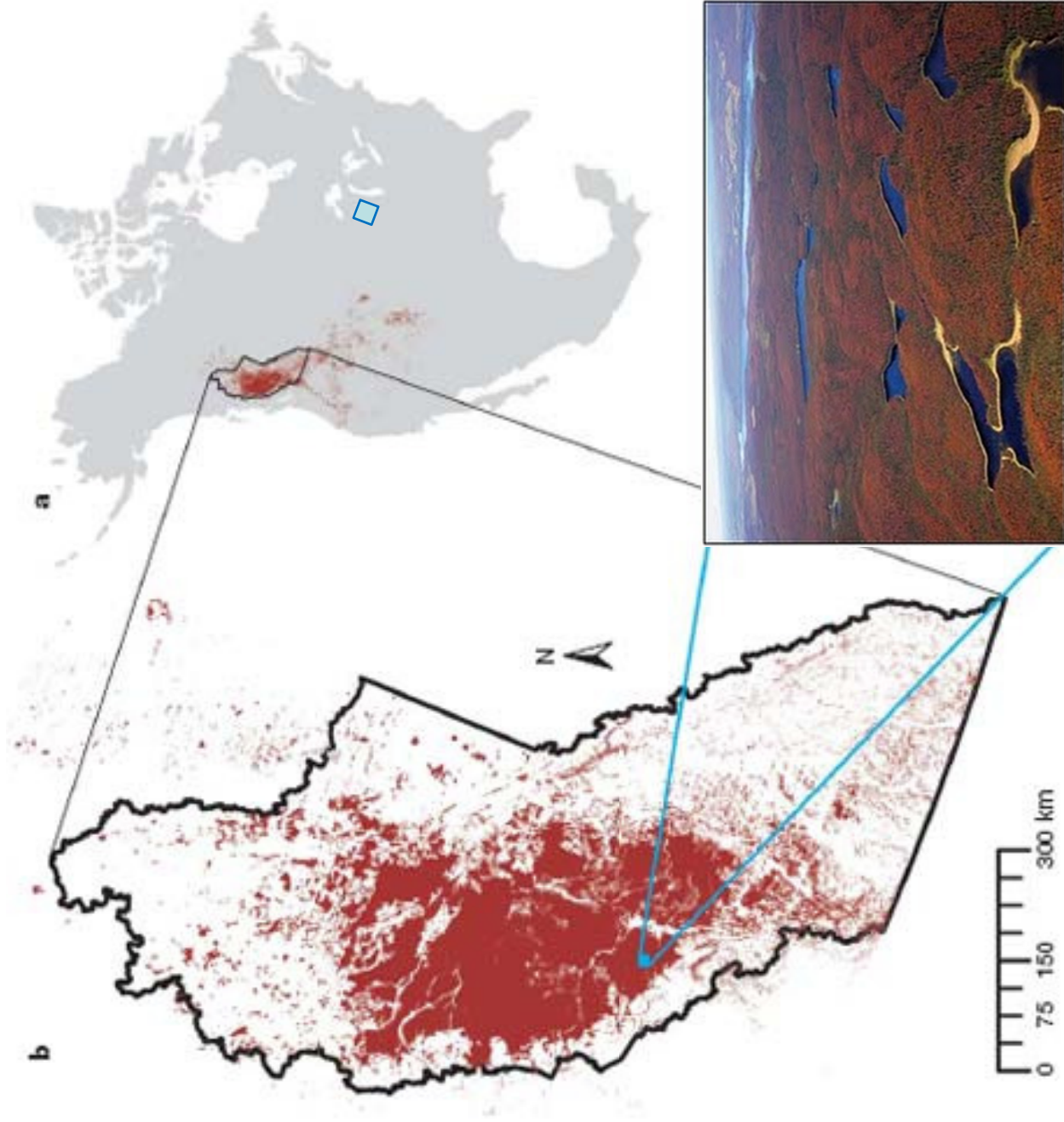




+ 2° Fahrenheit







carbon sink → carbon source

MAKING CONNECTIONS









MAKING CONNECTIONS





MAKING CONNECTIONS



CONNECTING WITH STUDENTS





if goal is: design for students

What is : their role in the design?

UBC BY DESIGN

(RE) CONSTRUCTING SPACES OF ACADEMIC CULTURE AND COMMUNITY

design by the gods





gorilla



design



co-design



co-design

Case studies

- Buchanan
- Sub
- SALA + Planning

Lessons learned



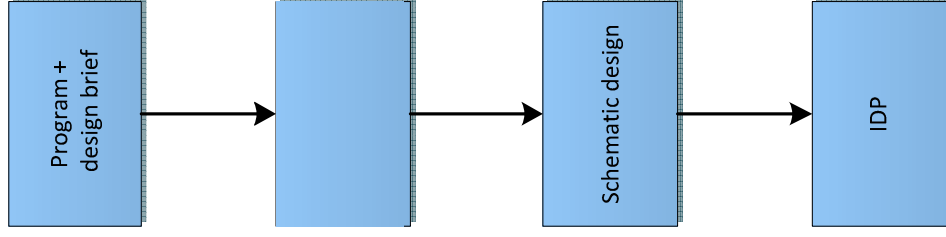
Buchanan Courtyards



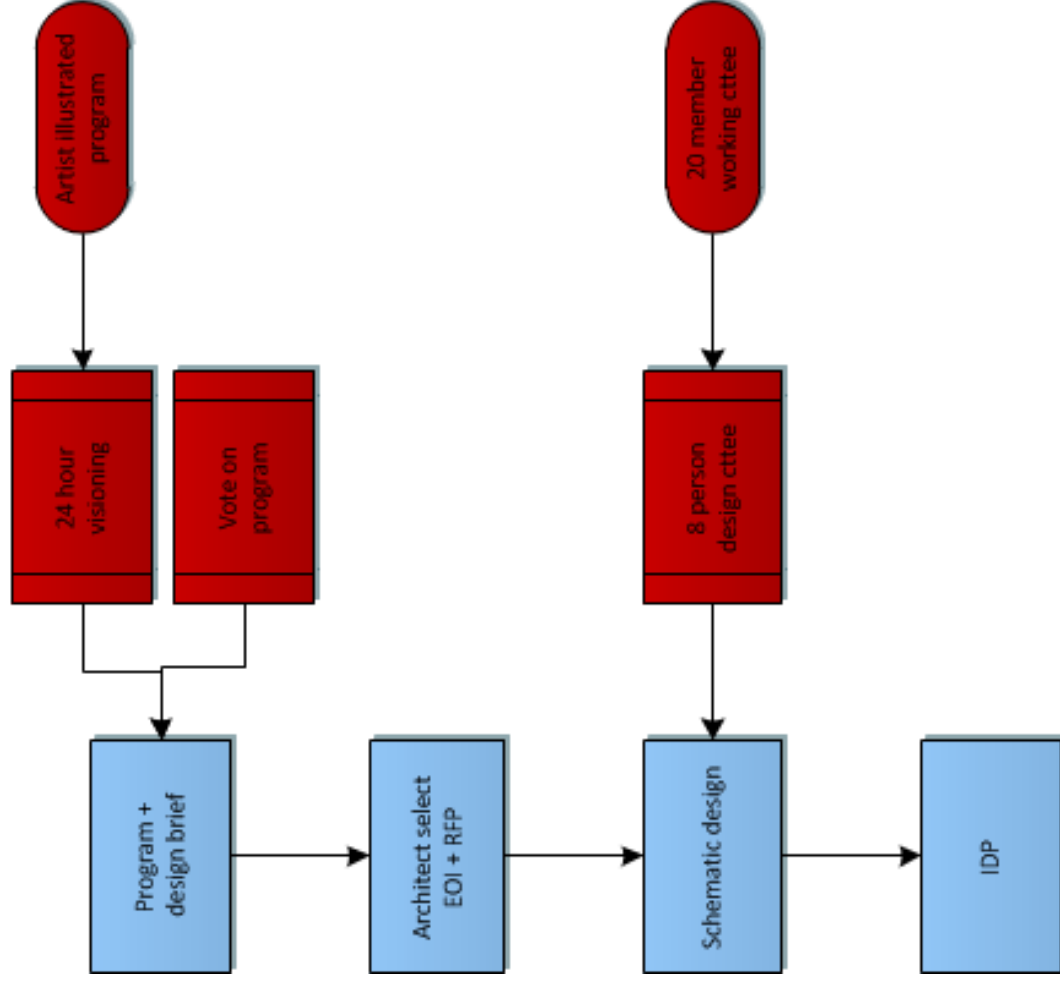
Statement of Significance



generic process



Buchanan process







A DAY IN THE LIFE OF BUCHANAN COURTYARDS

6 AM

- sunrise
- birds chirping
- people walking to work
- people walking to school
- people walking to the park
- people walking to the library
- people walking to the community center
- people walking to the senior center
- people walking to the youth center
- people walking to the health center
- people walking to the dental clinic
- people walking to the hair salon
- people walking to the beauty salon
- people walking to the nail salon
- people walking to the tattoo parlor
- people walking to the piercing shop
- people walking to the massage parlor
- people walking to the spa
- people walking to the gym
- people walking to the swimming pool
- people walking to the tennis court
- people walking to the basketball court
- people walking to the soccer field
- people walking to the baseball field
- people walking to the softball field
- people walking to the golf course
- people walking to the horse park
- people walking to the dog park
- people walking to the petting zoo
- people walking to the botanical garden
- people walking to the conservatory
- people walking to the greenhouse
- people walking to the nursery
- people walking to the garden center
- people walking to the landscaping company
- people walking to the tree service
- people walking to the lawn care company
- people walking to the pest control company
- people walking to the window cleaning company
- people walking to the car wash
- people walking to the car repair shop
- people walking to the mechanic
- people walking to the oil change
- people walking to the tire shop
- people walking to the car stereo shop
- people walking to the car audio shop
- people walking to the car alarm shop
- people walking to the car insurance company
- people walking to the car rental company
- people walking to the car leasing company
- people walking to the car financing company
- people walking to the car dealership
- people walking to the car lot
- people walking to the car wash
- people walking to the car repair shop
- people walking to the mechanic
- people walking to the oil change
- people walking to the tire shop
- people walking to the car stereo shop
- people walking to the car audio shop
- people walking to the car alarm shop
- people walking to the car insurance company
- people walking to the car rental company
- people walking to the car leasing company
- people walking to the car financing company
- people walking to the car dealership
- people walking to the car lot

6 PM

- sunset
- birds chirping
- people walking home
- people walking to work
- people walking to school
- people walking to the park
- people walking to the library
- people walking to the community center
- people walking to the senior center
- people walking to the youth center
- people walking to the health center
- people walking to the dental clinic
- people walking to the hair salon
- people walking to the beauty salon
- people walking to the nail salon
- people walking to the tattoo parlor
- people walking to the piercing shop
- people walking to the massage parlor
- people walking to the spa
- people walking to the gym
- people walking to the swimming pool
- people walking to the tennis court
- people walking to the basketball court
- people walking to the soccer field
- people walking to the baseball field
- people walking to the softball field
- people walking to the golf course
- people walking to the horse park
- people walking to the dog park
- people walking to the petting zoo
- people walking to the botanical garden
- people walking to the conservatory
- people walking to the greenhouse
- people walking to the nursery
- people walking to the garden center
- people walking to the landscaping company
- people walking to the tree service
- people walking to the lawn care company
- people walking to the pest control company
- people walking to the window cleaning company
- people walking to the car wash
- people walking to the car repair shop
- people walking to the mechanic
- people walking to the oil change
- people walking to the tire shop
- people walking to the car stereo shop
- people walking to the car audio shop
- people walking to the car alarm shop
- people walking to the car insurance company
- people walking to the car rental company
- people walking to the car leasing company
- people walking to the car financing company
- people walking to the car dealership
- people walking to the car lot



Artist group 3



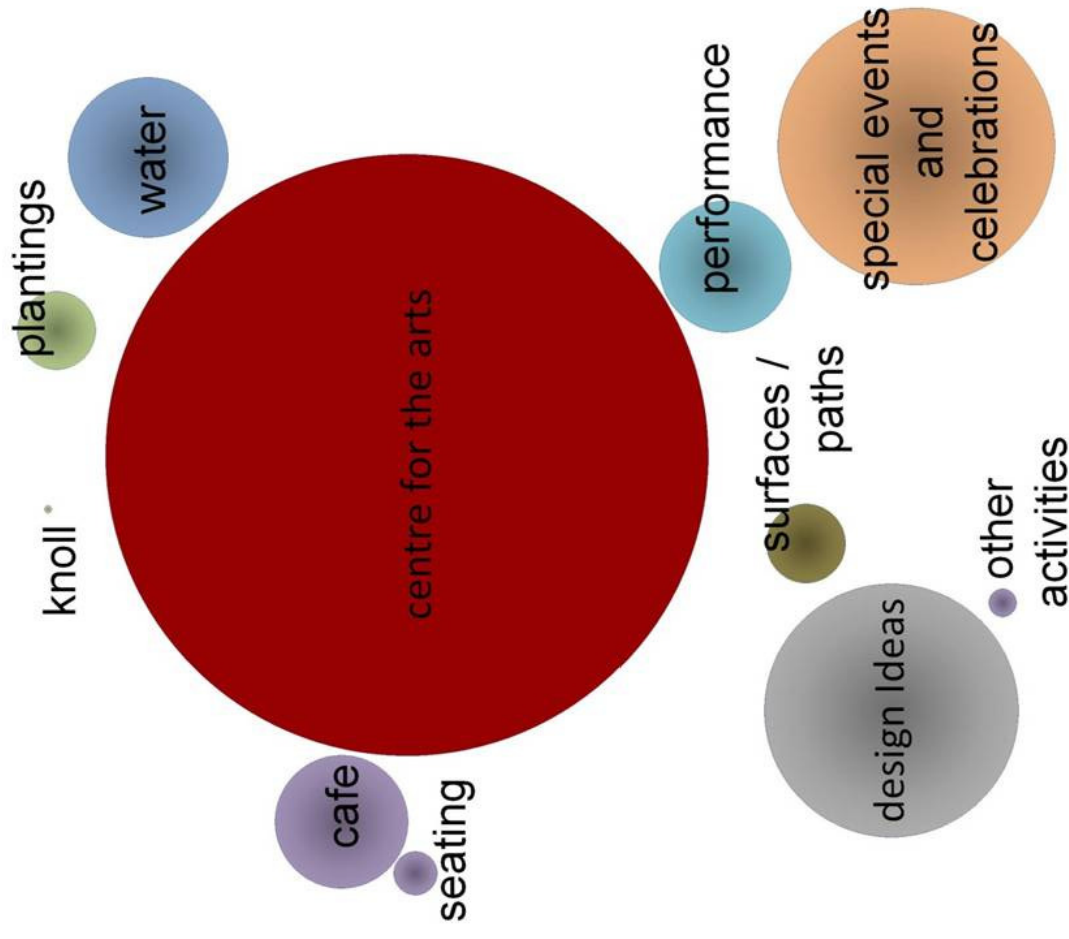
Artist group 2



Artist group 1



west courtyard programming



West Courtyard



Large projection screen for movie nights



Viewing student films



Showcase student films (cinema under the stars)



Expressing yourself on the digitally projected ideas wall



Screen for projecting Art, lectures, student films



Year round changing mural (rotating 4 times / year). Detachable canopy



Discussing ideas through spontaneous interaction



Animate facade of Block A with projected light & images



Support Faculty of Arts Creative Arts Showcase (e.g. Design Fashion Show)



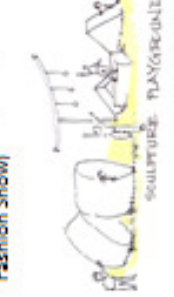
Rotating Displays (e.g. Arts Week Exhibition)



Informal learning through night time social interaction



Northwest corner as sculpture playground to tie to Belkin Gallery



Sculptures / alcoves



Information Kiosk



Attending outdoor night time lecture

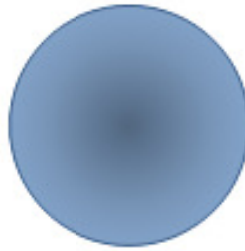
Centre for the Arts

West Courtyard

- knoll



plantings



water



surfaces /
paths



Grassy landscaped knoll allows seating and lounging, viewing, showing



Heavy selective pruning to open views to the north



Fish pond with grey water filter



Shallow pond with edge seating to dip your feet



Ramps and stairs access



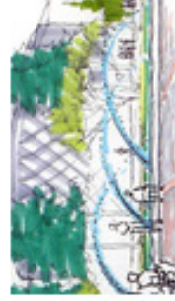
Green walls - growing up and down



Restate or reimagine original water feature

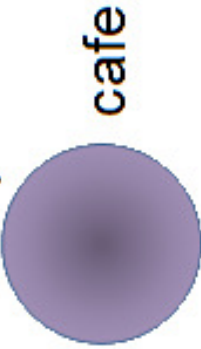


Mixed paving and grass surfaces for service vehicle access



Grey water diverted to garden/pond

West Courtyard



cafe

seating



special events
and
celebrations

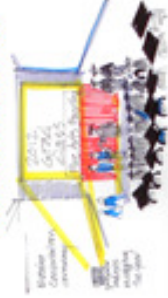
performance



Cafe spilling into courtyard, protected by canopy



Moveable table and chairs



Support Academic events and rituals (e.g. Grad ceremony)



Large cultural events (e.g. Canada Day celebration)



Stage



Turn cafe into bar at night



Moveable chairs



Flowers/blossom spring event (e.g. cherry trees)



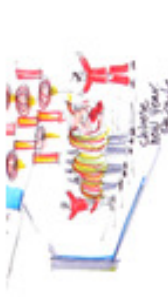
Evening events (e.g. festival of lights)



Performing (e.g. theatre, dance, poetry slam etc.)



Cafe activity spill onto courtyard surface



Support cultural parades (e.g. Chinese New Year's Celebration, Japanese festival)



Special events



Elevated platform to support presentations-multi-use platform

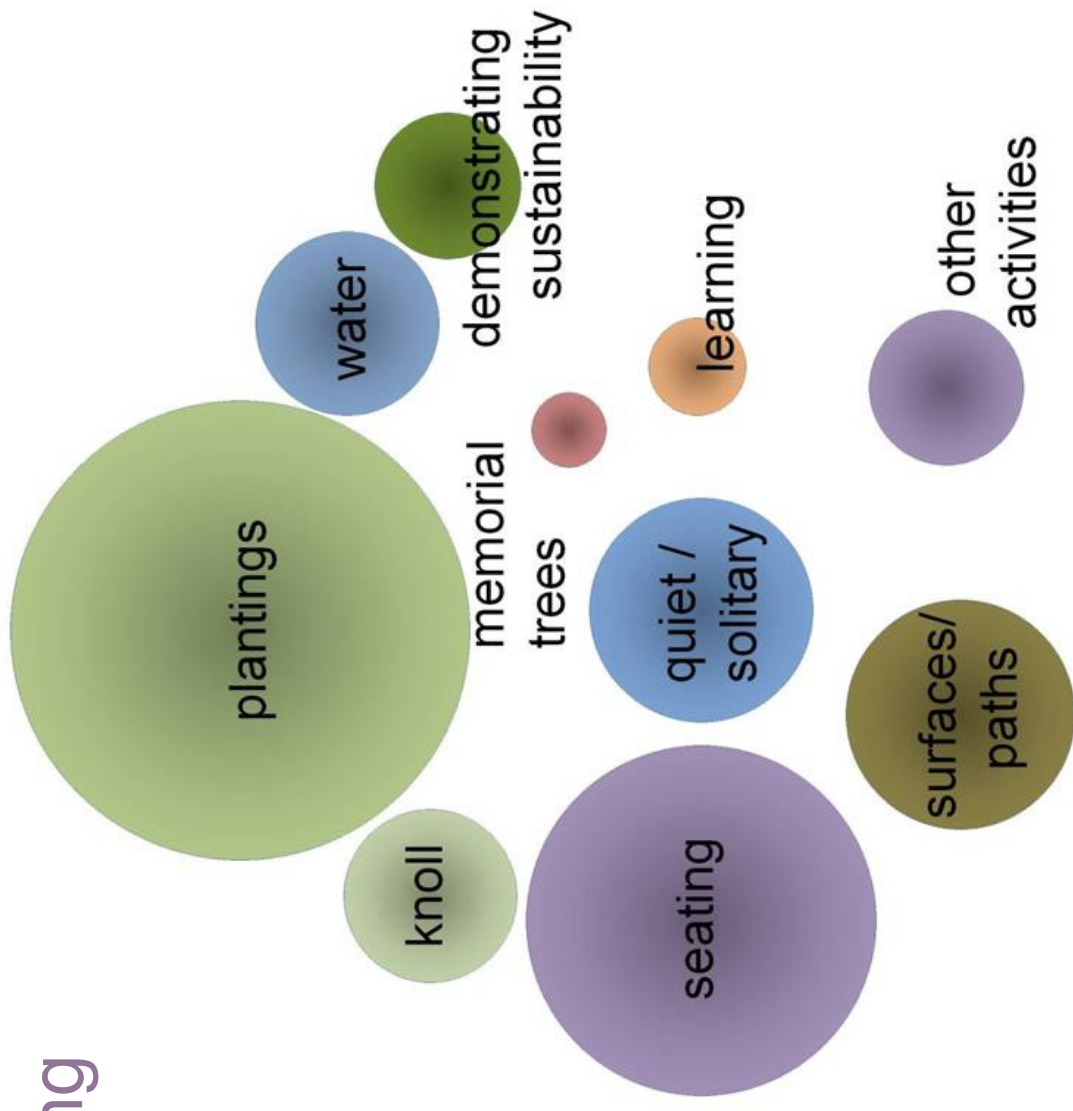


Thematic gathering celebrating culture (e.g. International Food Day)



Buskers

east courtyard programming



East Courtyard



Playful, moveable elements for seating



Informal seating areas throughout to reflect natural character



Seating benches adjacent to building and Meekison Lounge



Lots of seating but not by offices or classroom windows



Bench Seating



Café seating



Sitting under a rain canopy



Lights and heaters



Quiet activities



Quiet reading area



Contemplative courtyard



Solitary activities



Gardening on the rooftop



Open area for sunbathing



Stroll through the sculpture garden



Napping in a hammock

East Courtyard

memorial
trees

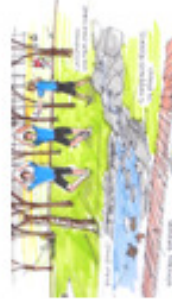


Cluster memorial trees in one area



Memorial trees concentrate memorial trees in one area

water



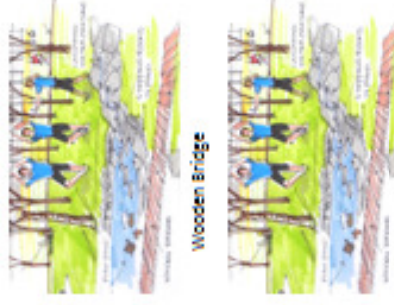
Cascading water feature



Stepping rocks in pond



Small water feature with water spouting sculpture



Wooden Bridge



Learning about stormwater management in the landscape



Integrate recycling centres to promote sustainability



'Dry' creek to celebrate rain & accommodate drainage

Fish pond

demonstrating
sustainability



Learning in solitary & small group environments



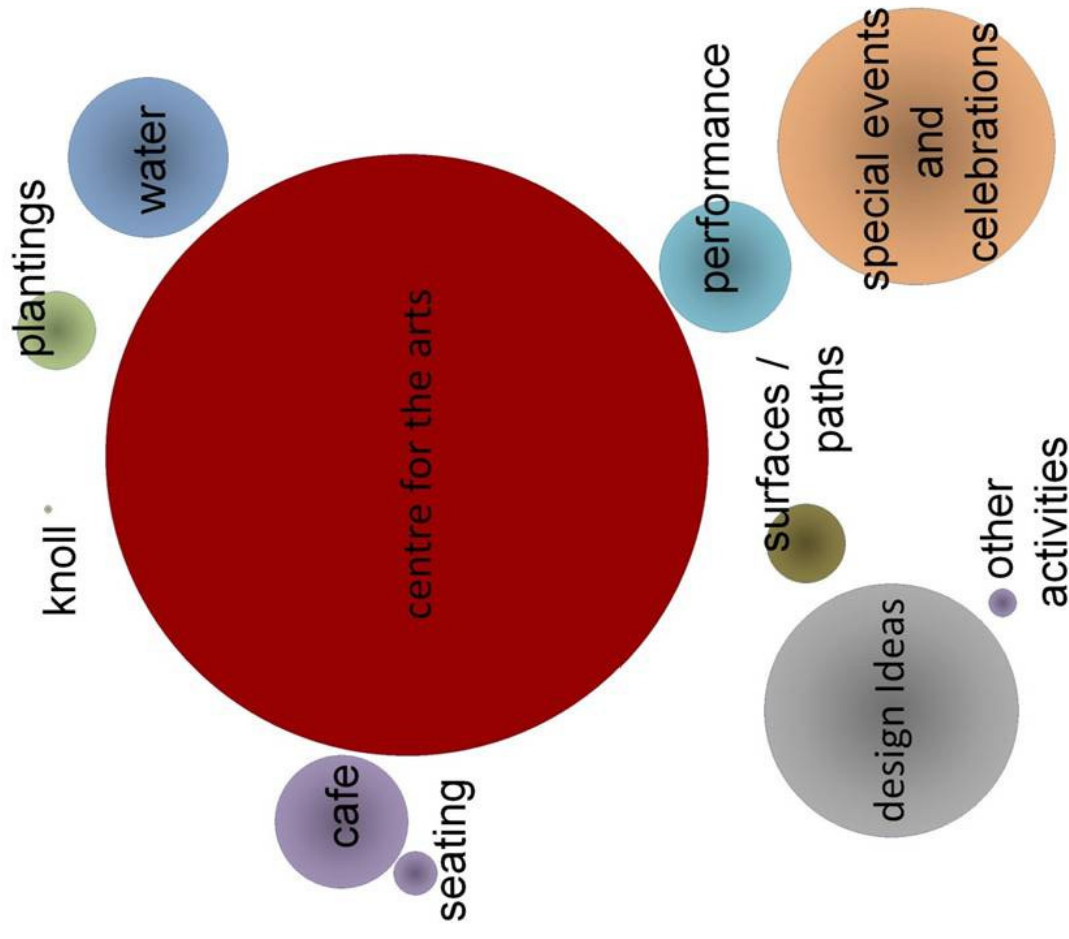
Impromptu discussions in small groups

learning

design principles

- Support the activities and features desired by the user community
- Express the identity of the Arts by showcasing the culture, collections, research and learning.
- Foster memory of the past and awareness of our campus landscape history by conserving important heritage values.
- Respect existing uses and ensure activities do not have an undue impact on indoor activities (e.g. noise management)
- Balance the technical requirements with user needs
- Foster on-going support for Arts focused programming of the courtyards
- *Apply the design principles from the Public Realm Plan not covered by the above

west courtyard programming





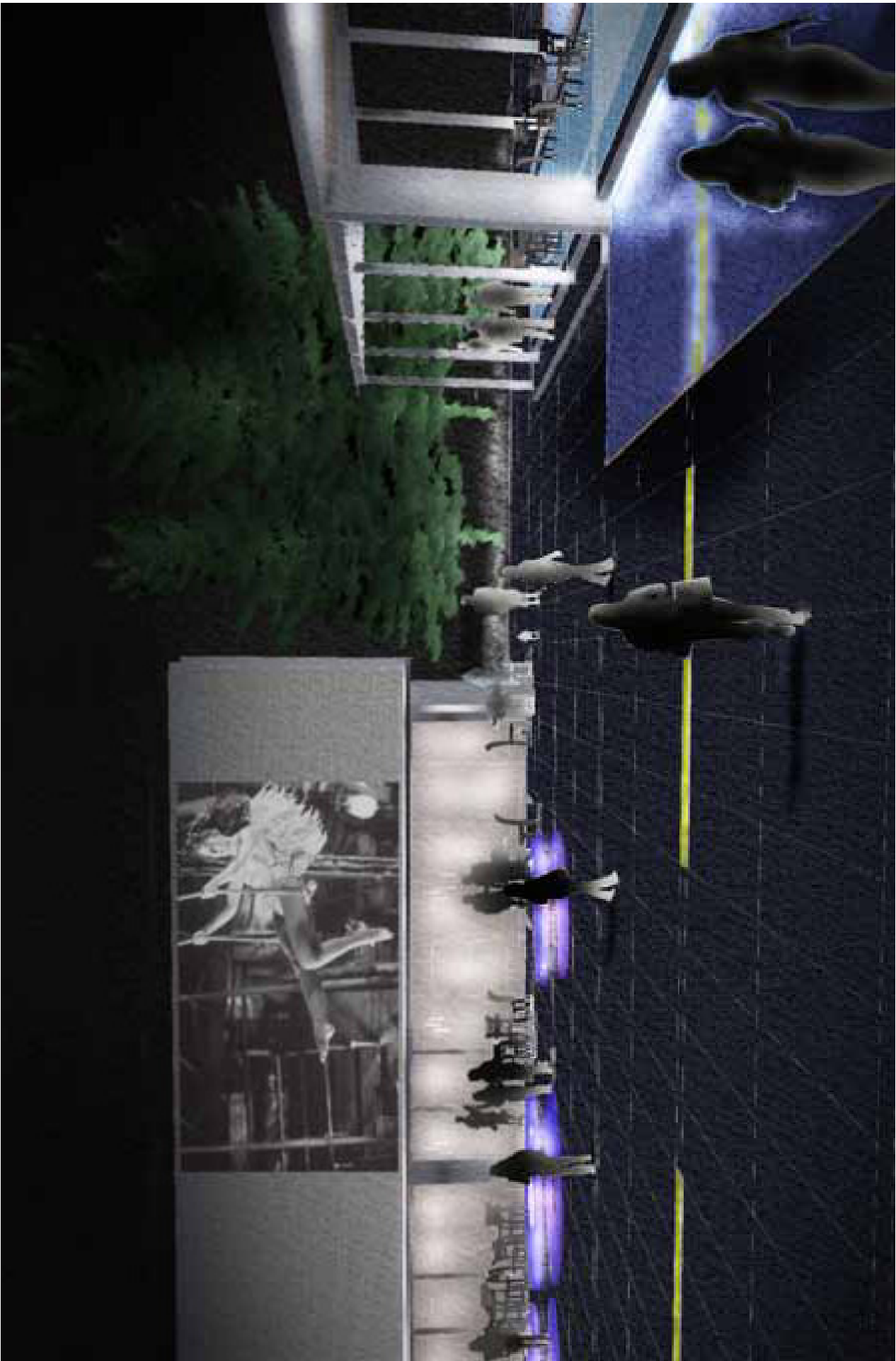
















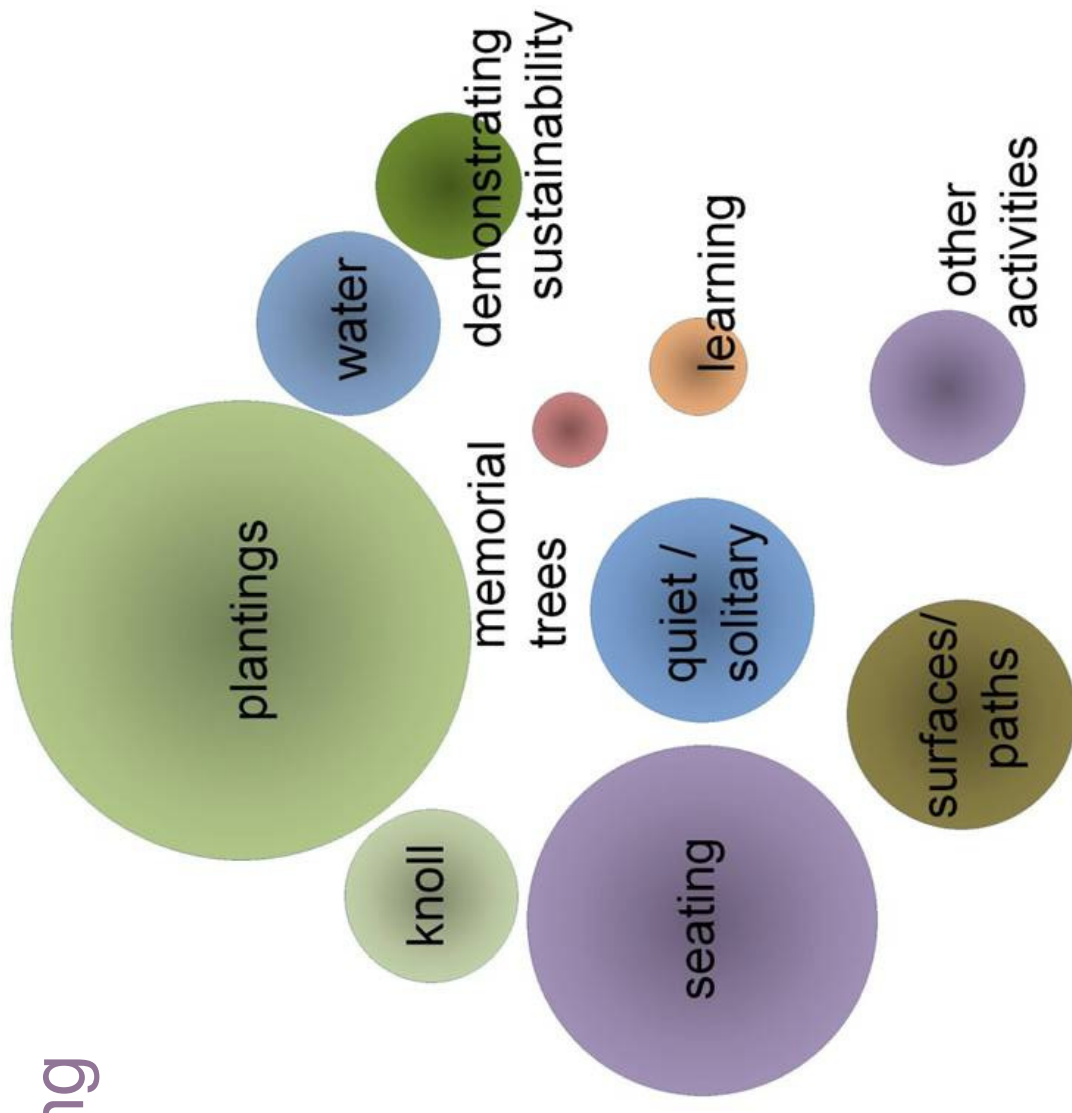








east courtyard programming















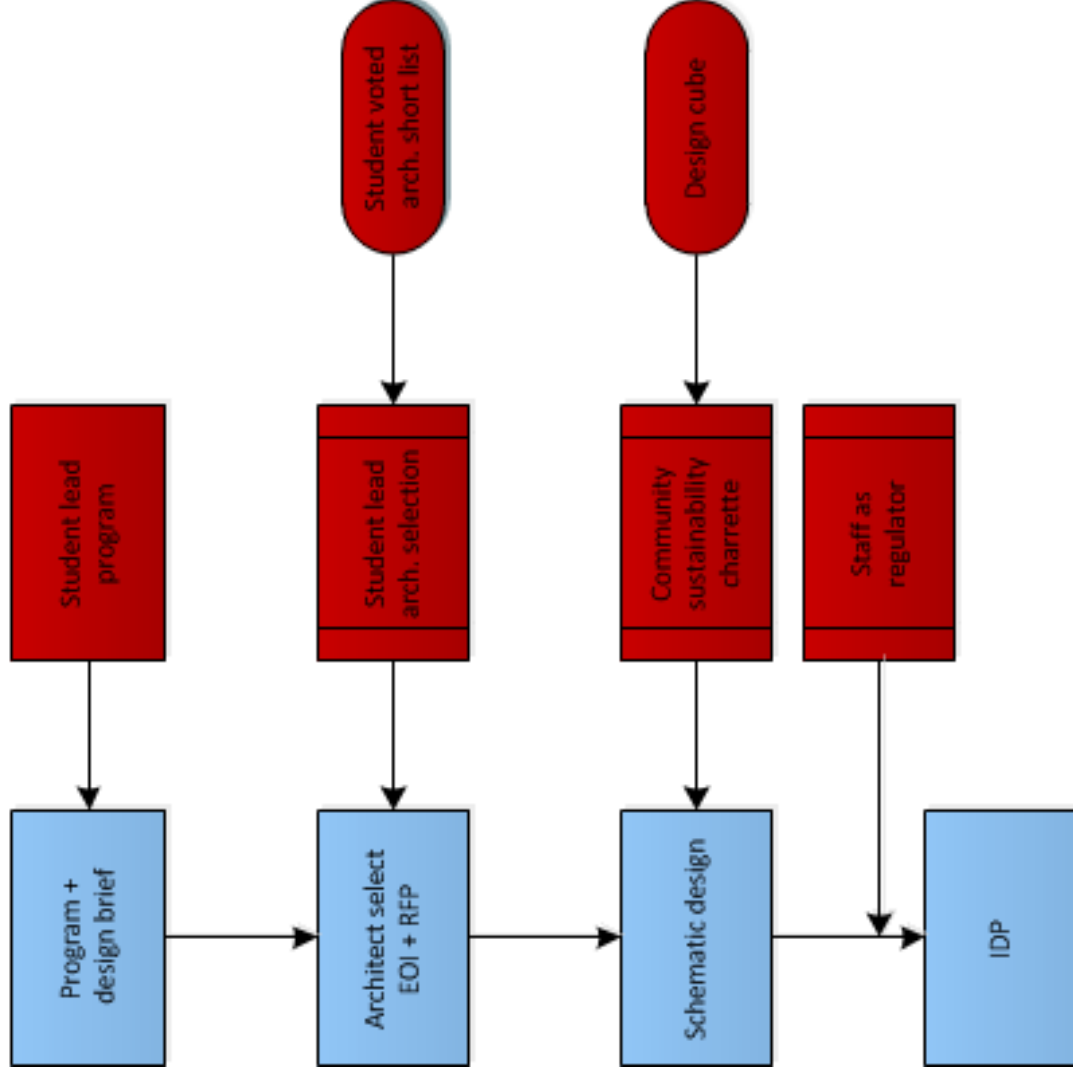
SUB



CONNECTING WITH STUDENTS

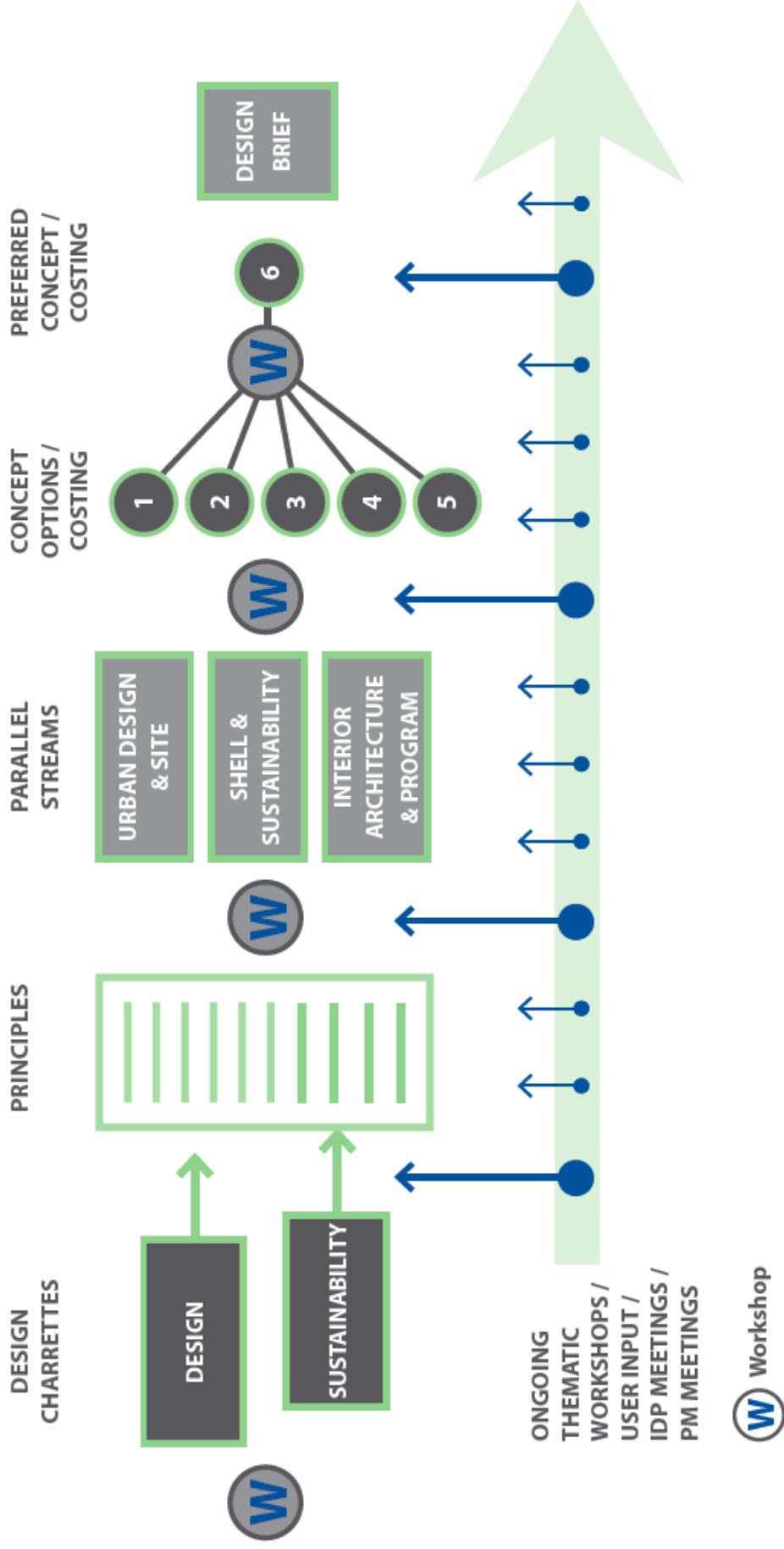


SUB





photos by wflanigan



design cube











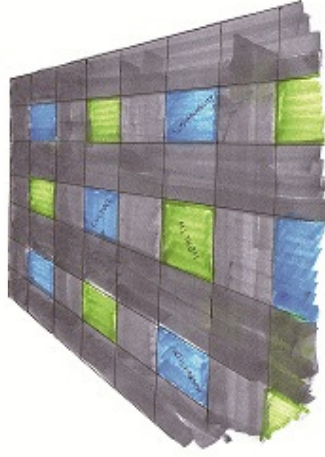
MY NEW SUB ENERGY HARVESTING PROJECT

New SUB will feature many cutting edge green technologies. The Energy Harvesting Project uses a special type of material called "piezoelectric ceramics" to generate electricity from your footsteps! LEDs embedded in the tile (powered by you) will lighten up the day from your feet, literally.

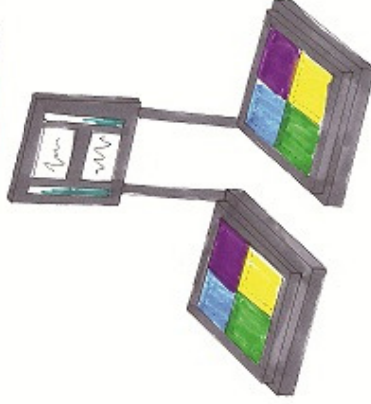
We hope to hear where and how YOU want to see this implemented in the New SUB.

Vote HERE or online @ mynewsb.com BEFORE Feb. 10th

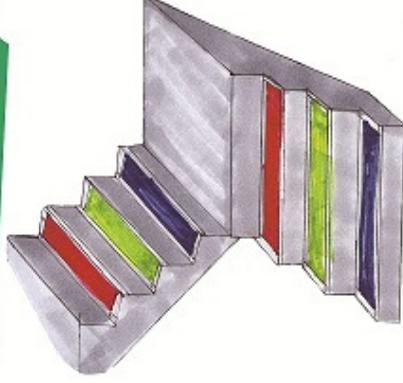
OPTION 1: FLOOR



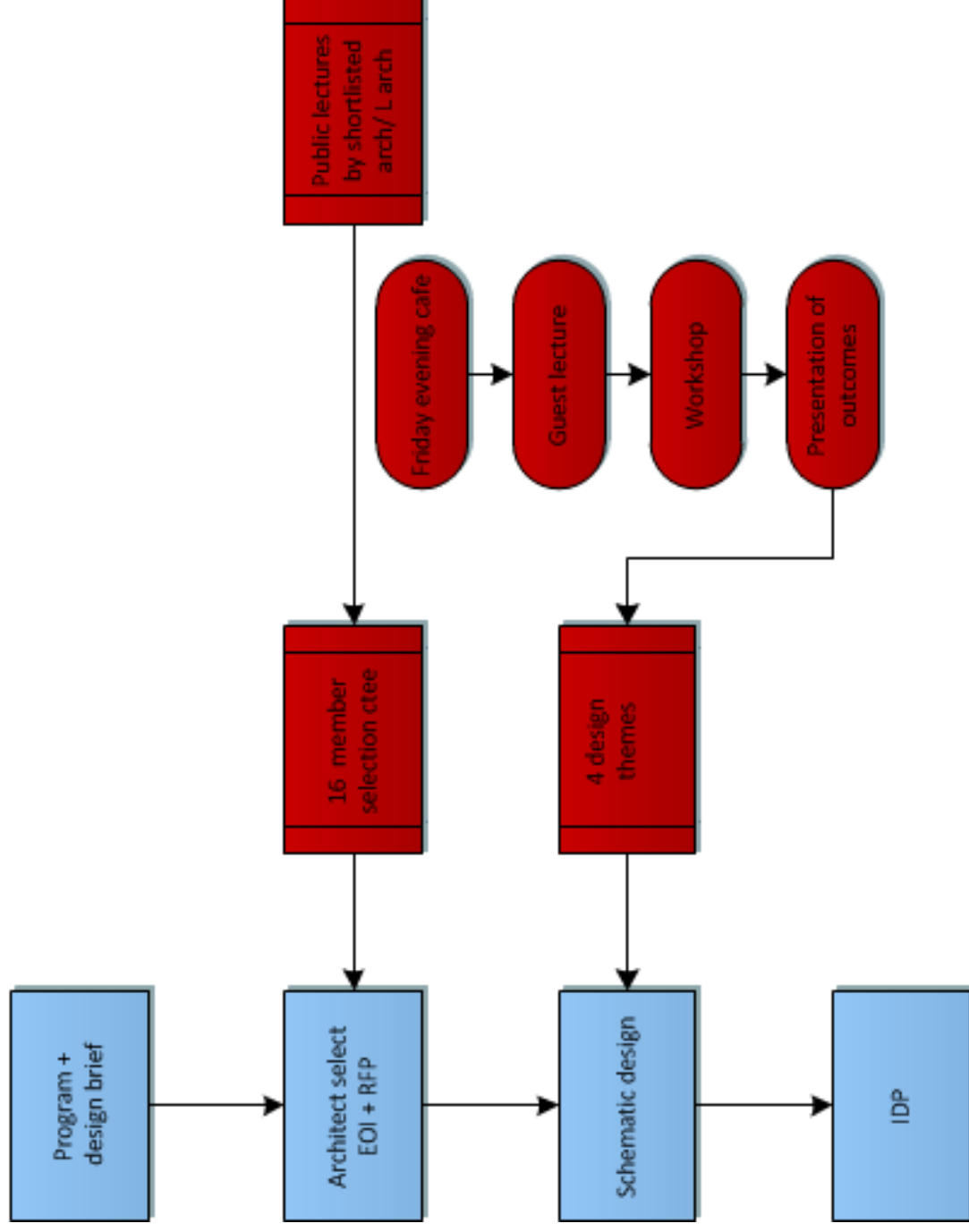
OPTION 2: GAMING SYSTEM



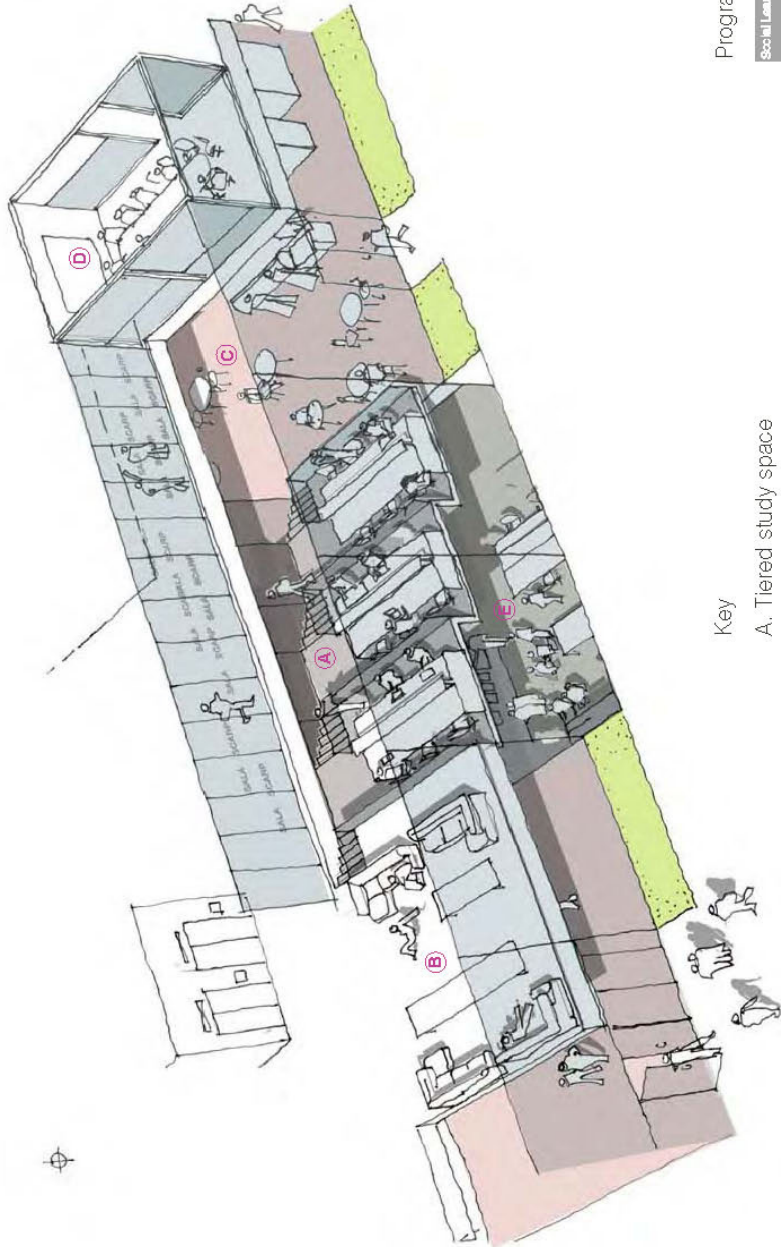
OPTION 3: STAIR CASE



IPDF



‘a dynamic, public, highly visible learning landscape’



Key

- A. Tiered study space
- B. Lounge
- C. Cafe
- D. Small flexible classroom
- E. Large flexible room

key features

- New approach to learning on display
- Generic space + circulation = programmatic efficiency OR doing more with less
- Ground level sectional shifts
- Natural light for all

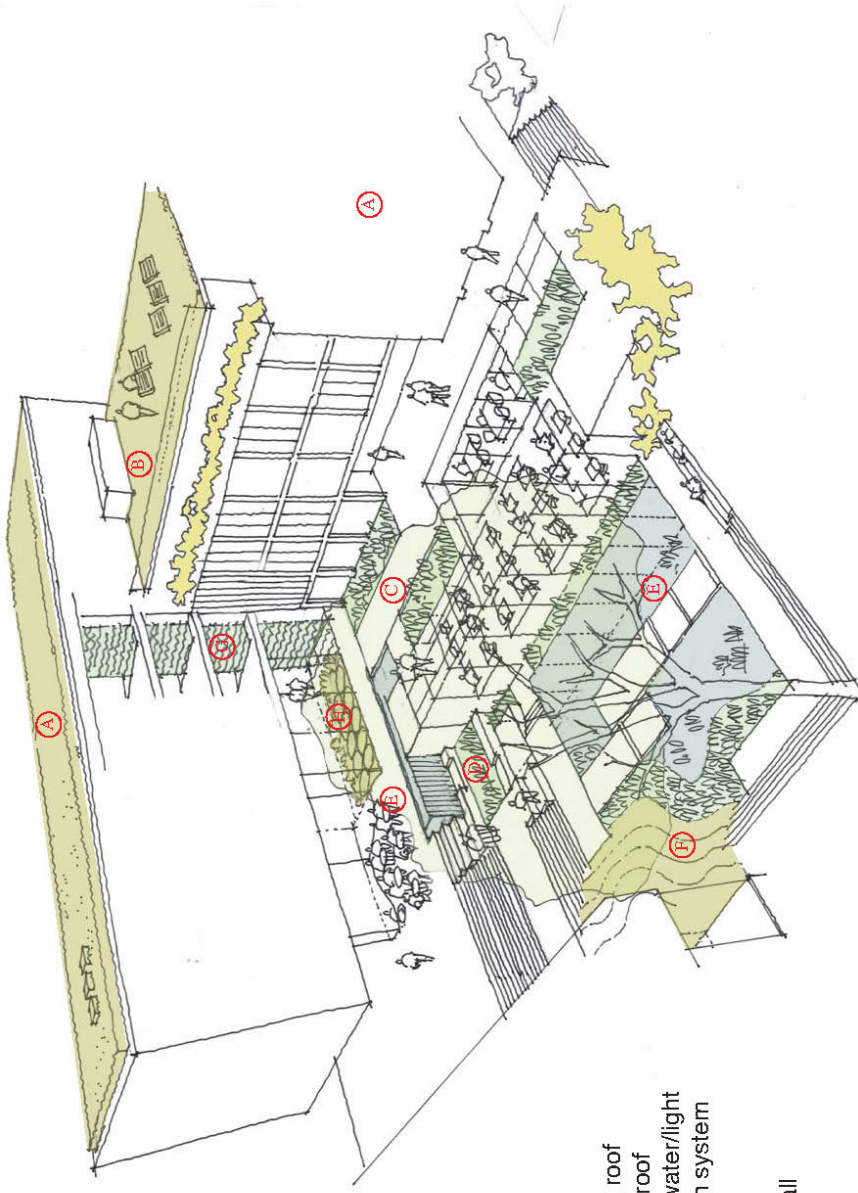
‘this is what we heard from you ...’

Scales of Learning

Individual/Contemplative Group/Social
A Suite of Experiences
Journey to Other Spaces
Vantage Points

Program Elements

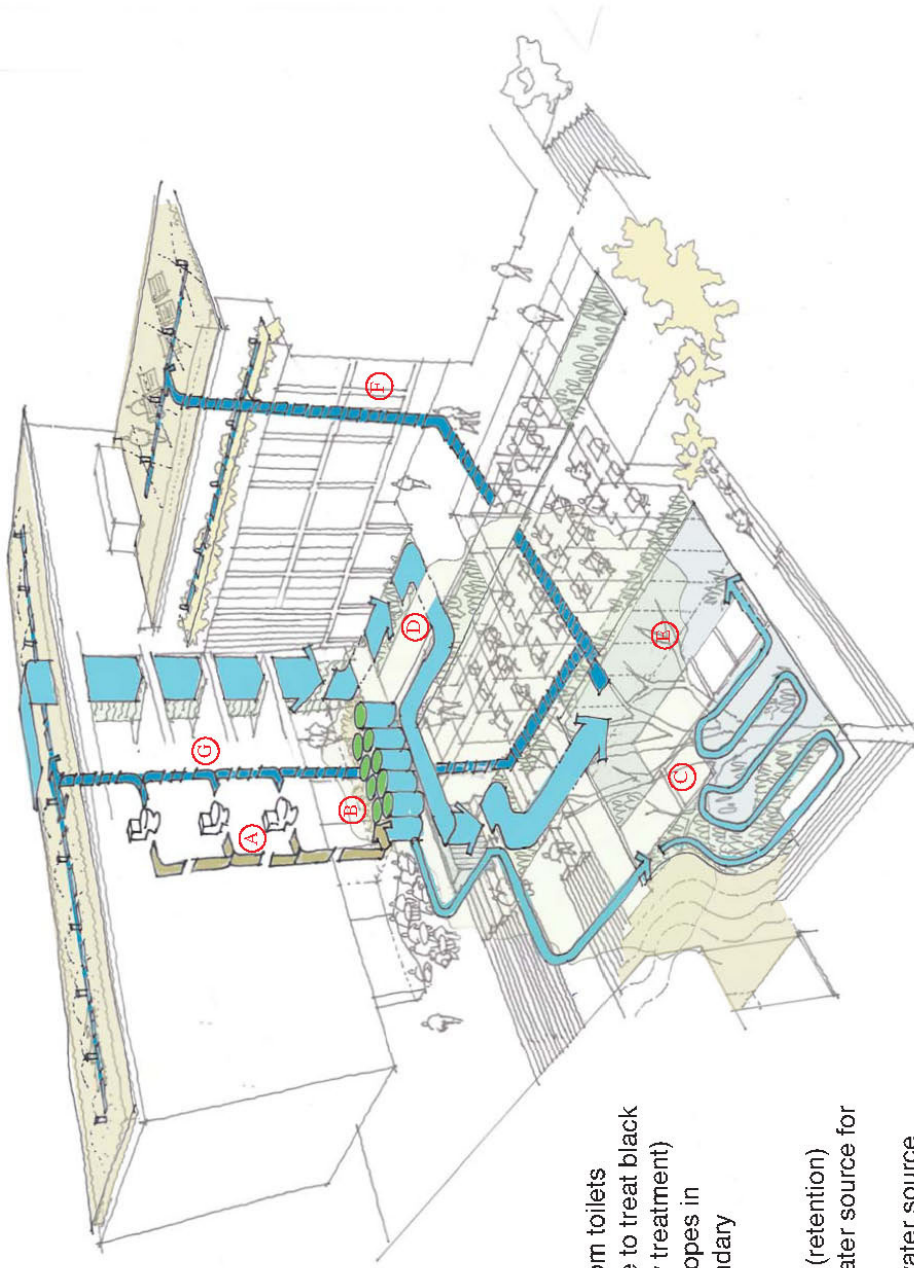
Social Learning Space		Size (m ²)		No. Occupants	No. Spaces	Total Occupants	% SALA	% SCARP	% MUD
Learning Commons		200		50	1	50	60%	35%	4%
General Teaching Space		Size (m ²)		No. Occupants	No. Classrooms	Total Occupants	% SALA	% SCARP	% MUD
Small flexible classroom		45		15	3	45	62%	33%	5%
Multipurpose research/ seminar space		60		18	3	54			
Large flexible room		90		60	2	120			



Key

- A. Extensive green roof
- B. Intensive green roof
- C. Courtyard with water/light
- D. Wetland filtration system
- E. Wetland Pond
- F. Sunning mound
- G. Interior living wall
- H. Living machine

‘a multi-layered learning space fused with the landscape’



Key

- A. Black water from toilets
- B. Living machine to treat black water (primary treatment)
- C. Cleansing biotopes in wetland (secondary treatment)
- D. Roof runoff
- E. Wetland Pond (retention)
- F. Non-potable water source for irrigation
- G. Non-potable water source for toilet flushing

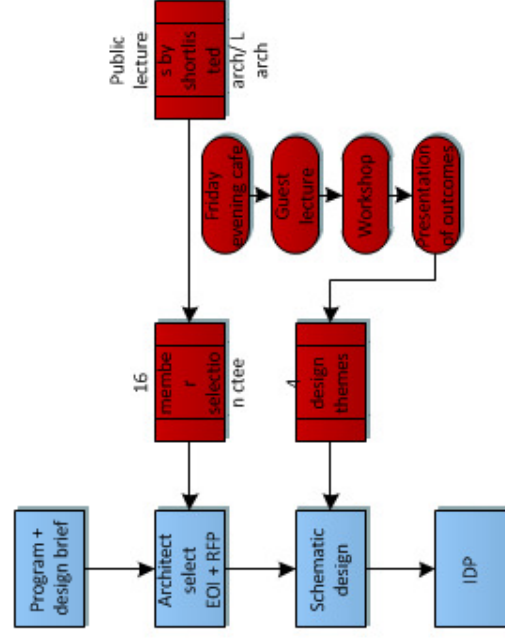
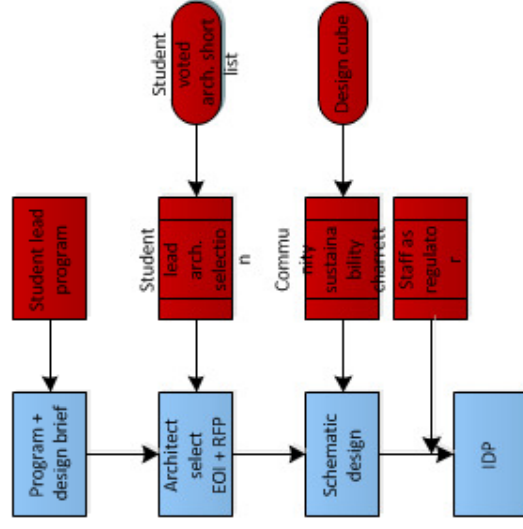
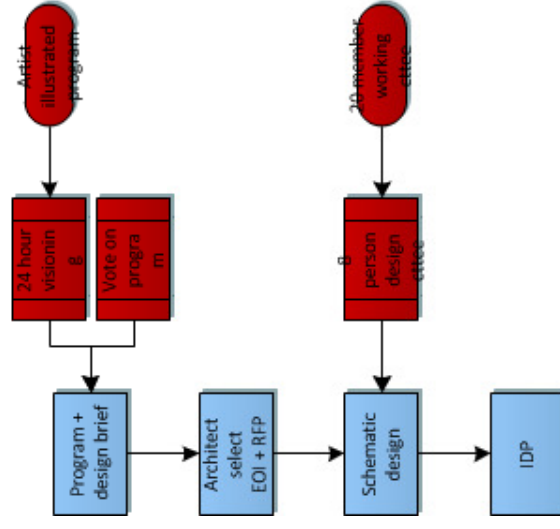
‘create a closed loop system for water reuse’

Co-design @ UBC

Buchanan courtyards

SUB

Integrated Planning and Design Facility



lessons learned

plus's

- + passion & depth
- + creativity
- + place making
- + builds capacity
- + integrated design

risks

- time + \$
- camels by committee
- 'feel good' $\approx$ vg design

co-design strategies

- project charter
 - clear process
 - who is expert on what
 - who is involved in what
 - how decisions are made and by who
- compact working group
 - capable representation
 - broad representation
- workshops – themed, focused & facilitated
- leave designer to design

co-design@UBC

